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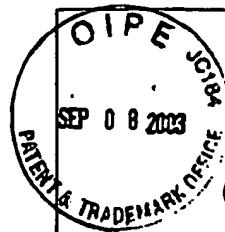
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				COMPLETE IF KNOWN	
Form PTO-1449 (Modified) (Use several sheets if necessary)				Application Number	10/080,914
				Confirmation Number	7791
				Filing Date	February 22, 2002
				First Named Inventor	Randy Harris
				Group Art Unit	2462 1742
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket No.	29195-8173US

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### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
WJ		US2002/0084195		Chen et al.	08/16/01	
		3,878,066		Dettke et al.	04/1975	
		3,904,493		Losi et al.	09/1975	
		4,055,751		Bussman et al.	10/25/77	
		4,090,926		Matson	05/23/78	RECEIVED SEP 11 2003
		4,132,605		Tench et al.	01/02/79	
		4,146,437		O-Keefe	03/27/79	Technology Center 2100
		4,155,815		Francis et al.	05/22/79	
		4,404,078		Francis	09/13/83	
		4,539,090		Francis	09/03/85	
		4,917,774		Fisher	04/17/90	
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		4,948,473		Phillippi	08/14/90	
		5,192,403		Chang et al.	03/09/93	
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		5,223,118		Sonneberg et al.	06/29/93	
		5,234,573		Takami	08/10/93	
		5,364,510		Carpio	11/15/94	
		5,389,215		Horiuchi et al.	02/14/95	
		5,391,271		Ludwig	02/21/95	
		5,534,128		Aso et al.	07/09/96	
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		5,584,310		Bergman et al.	12/17/96	
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WJ		6,110,011		Somekh et al.	08/29/00	

EXAMINER	DATE CONSIDERED
William Leader	3/4/2005
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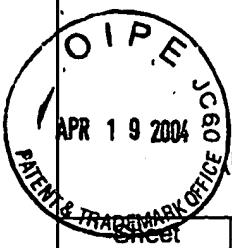
Technology Center 2100

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		NUMBER	Kind Code (if known)		
WL		6,136,163		Cheung et al.	10/24/00
WL		6,139,712		Patton et al.	10/31/00
WL		6,318,951		Schmidt et al.	11/20/01

<b>FOREIGN PATENT DOCUMENTS</b>								
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		Office	NUMBER	Kind Code (if known)				
WL		WO	00/02675		Semitool, Inc.	01/20/00		
WL		WO	99/57549		Semitool, Inc.	11/11/99		

<b>OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS</b>							
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.				T	
WL		International Search Report for International Application No. PCT/US03/05063; Applicant: Semitool, Inc.; Date Mailed: 08 Aug 2003; 5 pgs.					
WL		LOWENHEIM, F.A., "Electroplating," (1978) McGraw-Hill book Co., New York, pp 120-121					
WL		WILLARD, Hobart H. et al., "Instrumental Methods of Analysis," (1974), pp 647-656, D. Van Nostrand Company					

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SHEET 1 OF 5

1 OF 5

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First Named Inventor	Randy Harris
Group Art Unit	1742
Examiner Name	Donald R. Valentine

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		NUMBER	Kind Code (if known)			
WL	09/679,928			Woodruff et al.	10/05/00	
	60/129,055			McHugh	04/13/99	
	60/143,769			McHugh	07/12/99	
	60/182,160			McHugh et al.	02/14/00	
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	1,881,713			Laukel	10/11/32	
	2,256,274			Boedecker et al.	09/16/41	
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		NUMBER	Kind Code (If known)			
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Sheet 3 of 5 Attorney Docket No. 29195-8173US

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		NUMBER	Kind Code (if known)			
WL		5,711,646		Ueda et al.	01/27/98	
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		6,090,260		Inoue et al.	07/18/00	
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		6,151,532		Barone et al.	11/21/00	
		6,156,167		Patton et al.	12/05/00	
		6,159,354		Contolini et al.	12/12/00	
		6,162,344		Reid et al.	12/19/00	
		6,162,488		Gevelber et al.	12/19/00	
WL		6,168,695		Woodruff et al.	01/02/01	

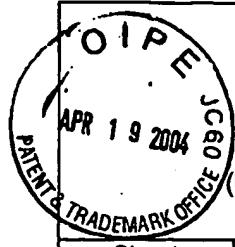
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Sheet 4 of 5 Attorney Docket No. 29195-8173US

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Application Number	10/080,914
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		NUMBER	Kind Code (if known)			
WL		6,179,983		Reid et al.	01/30/01	
		6,193,859		Contolini et al.	02/27/01	
		6,199,301		Wallace	03/13/01	
		6,228,232		Woodruff et al.	05/08/01	
		6,234,738		Kimata et al.	05/22/01	
		6,322,677		Duncan	11/27/01	
WL		6,391,166		Wang	05/21/02	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
WL		WO	00/02808		Semitool, Inc.	01/20/00		
		WO	00/61498		Semitool, Inc.	10/19/00		
		WO	00/61837		Semitool, Inc.	10/19/00		
		WO	01/90434		Semitool, Inc.	11/29/01		
		WO	02/097165		Semitool, Inc.	12/05/02		
WL		WO	02/099165		Semitool, Inc.	12/12/02		

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

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WL		LEE, TIEN-YU TOM et al., "Application of a CFD Tool in Designing a Fountain Plating Cell for Uniform Bump Plating of Semiconductor Wafers," IEEE Transactions On Components, Packaging and Manufacturing Technology – Part B, February 1996, pp 131-137, Vol 19, No. 1, IEEE	
WL		MAGNUM, "The perfect partnership of process excellence and production control in a fully-automated platform," (1996), pp 1-12, Semitool, Inc.	

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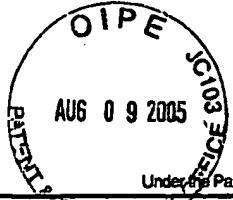
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#### OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

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WL		RITTER, G., et al., "Two-And Three-Dimensional Numerical Modeling of Copper Electroplating for Advanced ULSI Metallization," June 1999, 13 pgs, E-MRS Conference Symposium M. <i>Basic Models to Enhance Reliability</i> , Strasbourg, France	

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Substitute for Form 1449A/B/PTO				Complete If Known	
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WL		US-5,168,886	12-08-1992	Thompson et al.	
WL		US-6,264,752	07-24-2001	Curtis et al.	
WL		US-6,716,330-A1	04-06-2004	Hongo et al.	

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					T <sup>6</sup>

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	William Leader	Date Considered	9/7/2005
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